



15915 U.S. PTO

Please type a plus sign (+) inside this box →

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 9-16313-2US
First Inventor Mark F. Eldridge
Title THERMAL MASS FLOWMETER APPARATUS AND METHOD WITH TEMPERATURE CORRECTION
Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 33]
(preferred arrangement set forth below)
- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table,
or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 20]
5. Oath or Declaration [Total Pages 1]
a. ☒ Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
b. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. ☐ Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☐ paper
c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. ☒ Other: Filing Cover Letter, Form PTO/SB/06

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Prior application information:

Examiner: _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label  or ☐ Correspondence address below
(Insert Customer No. Or Attach bar code label here)

Name Ogilvy Renault
Suite 1600
Address 1981 McGill College Avenue
City Montreal State Quebec Zip Code H3A 2Y3
Country CANADA Telephone 613-780- Fax 613-230-6706

Name (Print/Type) Paul S. Sharpe Registration No. (Attorney/Agent) 39,493
Signature  Date February 11, 2004

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

17548 U.S. PTO
10/776321

021204

15915 U.S. PAT. & TM. OFF. FORM 15915-101
021204

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1,476

Complete if Known

Application Number	New Application
Filing Date	New Application
First Named Inventor	Mark F. Eldridge
Examiner Name	Unknown
Art Unit	Unknown
Attorney Docket No.	9-16313-2US

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number

19-5113

Deposit Account Name

Ogilvy Renault

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	770
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$) 770

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
57	-20** = 37	X 18	= 666
Independent Claims	- 3** =	X	=
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 666

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	2053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	40
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40

SUBMITTED BY

Name (Print/Type)

Paul S. Sharpe

Registration No.

39,493

(Complete if applicable)

Telephone 613 780-8676

Signature

Date

February 11, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

OGILVY RENAULT

February 11, 2004

17548 U.S. PTO
10/776321
021204

Mail Stop Patent Application

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
U.S.A.
U.S.A.

Sir:

Re: New United States Patent Application
Title: THERMAL MASS FLOWMETER APPARATUS AND
METHOD WITH TEMPERATURE CORRECTION
Inventors: ELDRIDGE, Mark F.
Our File: 9-16313-2US

Transmitted herewith for filing is the patent application of:

INVENTOR: Mark F. ELDRIDGE

TITLE OF THE INVENTION: THERMAL MASS FLOWMETER APPARATUS AND
METHOD WITH TEMPERATURE CORRECTION

The following documents are enclosed:

- a) Utility Patent Application Transmittal PTO/SB/05
- b) Fee Transmittal Form PTO/SB/17 (in duplicate) and Patent Application
Fee Determination Record PTO/SB/06, covering:

Filing Fee	\$ 770.00
Recording of Assignment	\$ 40.00
Total Number of Claims:	57
Independent claims in excess of 3 (0 @ \$84/42)	\$ 0.00
Claims in excess of 20 (37 @ \$18/9)	\$ 666.00
Multiple dependent claim (** @\$280/140)	\$ 0.00
Total	\$1476.00
- c) Specification/Claims/Abstract
- d) Formal Drawings (20 Sheets - Figs. 1 - 14)

Barristers & Solicitors
Patent & Trade-mark Agents

1981 McGill College Avenue
Suite 1600
Montréal, Quebec
Canada H3A 2Y3

Telephone (514) 845-7126
Fax (514) 288-8389
ogilvyrenault.com

Continuing the practices of
Meighen Demers
Ogilvy Renault
Swabey Ogilvy Renault

Montréal • Ottawa • Québec • Toronto • Vancouver • London (England)

**OGILVY
RENAULT**

- 2 -

Assistant Commissioner of Patents

- e) Information Disclosure Statement with Form PTO-1449
- f) Declaration under 37 CFR 1.63, with
Patent Application Data Sheet
- g) Power of Attorney
- h) Assignment in favor of Eldridge Products, Inc.
with Recordation Form PTO-1595
- i) Return receipt postcard.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to our Account No. I9-5113.

Please note that the address of the agents for the applicant in this matter should be the Montreal address identified in the enclosed Power of Attorney. Correspondence may be directed to Paul S. Sharpe at the Montreal address of Swabey Ogilvy Renault.

Respectfully submitted,

Reg. No. 39,493

Paul S. Sharpe, Agent of Record
Encls.



15915 U.S. PTO

(please place mailroom date stamp here)

**OGILVY
RENAULT**

S. E. N. C.

**BARRISTERS & SOLICITORS
PATENT & TRADE-MARK AGENTS**

45 O'Connor Street
Suite 1600

Ottawa, Ontario, Canada K1P 1A4
☎ (613) 230-6072 – Fax: (613) 230-6706

**Filing Cover Sheet for Document
Filed with U.S. PTO Mailroom**

Agent's file reference: 9-16313-2US

Ser. No. and filing date (if known): _____ / _____

TYPE OF DOCUMENT SUBMITTED

- ☒ Patent application ☐ Provisional ☒ Nonprovisional
☐ Response to **NOTICE TO FILE MISSING PARTS**
☒ IDS ☐ Response to office action
☐ Issue fee ☐ Formal drawings
☐ Other: _____

CONTENTS OF SUBMISSION

- ☒ Utility Patent Application Transmittal PTO/SB/05
☒ Patent Application Fee Determination Record PTO/SB/06 and
Fee Transmittal Form PTO/SB/17
☒ Application having 33 pages and including 57 claims
☒ 20 sheets of FORMAL drawings
☒ Information Disclosure Statement with Form PTO-1449
☒ SIGNED inventor declaration with 1 signature(s)
☒ Power of Attorney
☒ Assignment(s) and assignment recordal sheet(s) (1) in number
☒ Other item with 1 pages and described by:

Return Receipt Postcard

Hand delivered to PTO mailroom by: _____

Time and date of delivery: _____